ABSTRACT

Provided is a multiplexer which can reliably analyze side information which a decoder in the multiplexer can fundamentally

5   identify.

A multiplexer (10a) generates data by assigning different packet identifiers to (i) one of coded video data and coded audio data, and (ii) table data regarding the coded data, and packet-multiplexing the coded data and the table data.   The

10 multiplexer (10a) includes: a sub-descriptor generating unit (14) which generates sub-descriptors, each of which includes a sub-tag value representing a type of side information representing a parameter for decoding the coded data, and the side information; a descriptor generating unit (11) which generates a main descriptor

15 including the sub-descriptors generated by the sub-descriptor generating unit (14), and a main tag value representing a set of the sub-descriptors; and a table generating unit (12) which generates the table data, by associating the main descriptor generated by the descriptor generating unit (11), with the packet identifier of the

20 coded data.   The sub-descriptor generating unit (11) outputs the sub-descriptors in an order defined by a predetermined storage rule.